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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Lanctot, et al. Examiner: Tizio, Steven E.
Serial No.: 09/641,931 Art Unit: 1627
Filed: August 18, 2000
For: NUCLEIC ACID MOLECULE, METHOD AND KIT FOR SELECTING A
NUCLEIC ACID HAVING A DESIRED FEATURE

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

PRE 16/12
010718
10-1-02

RESPONSE TO NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT
APPLICATIONS CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID
SEQUENCE DISCLOSURES

Responsive to the Notice mailed August 12, 2002, Applicant respectfully requests entrance of the following Amendment.

Amendment

In the Specification:

Beginning on a new page immediately before the claims, please replace the existing Sequence Listing with the replacement Sequence Listing submitted herewith. Please renumber subsequent pages accordingly.

On page 46, please replace Table 1 with the following Table 1, which includes SEQ ID NOs:

TABLE 1

#	Length (bp)	Number of inserts	Nucleotide sequence	Putative translation product	GenBank hit (accession no., description)	Presence of signal peptide
1	132	25	tgaccaggggctgtcaacacaaggagctgc atgtctatgtggtagatgtctcagcttgcgata cgcgactctgtggcgtgtcgacttcgtgcct agcaacaaargccaaattttgcaatcg (SEQ ID NO. 34)	<u>MLSFVDTRTLLLAVTSCLATCQ</u> <u>YLQSGSSRSAAP...</u>	K01832 Mouse musculus procollagen, type 1, alpha 2	Yes
2	222	1	ccacgcgtgcacaaatgggttcgcaggacc cggatggggagtggggaggcggcggctgat ggcattgtgtggcggtttatctgcaggaaat cttggcttaagagcatggggacccttcggaccc gtaaaggacccacggaggatcaccccccgaat acccttgttcattggaaaagactggcgtccaaac atcaggcaggcaagg (SEQ ID NO. 35)	<u>MGSQQAPRMGSVGGHGLMALL</u> <u>MAGLILPGILAKSIGTLSDPCKDP</u> <u>TRTSPNDPCLIGKTGSNSISSQG</u> <u>GSSRSAAP...</u>	NM_001264 Corneodesmosin	Yes
3	132	2	agcaggcggtggcacggcgaaccatggcgg attttctatccatcccttttcgtttcttttggaaattgcg acgcgtgcacccgggtttagggatatacccgcgaaat gaaggttactttatggattcca (SEQ ID NO. 36)	<u>MAGIFYFLFSFLFGICDAVTGSRV</u> <u>YPANEVTLDSRSSRSAAP...</u>	NM_007936	Yes

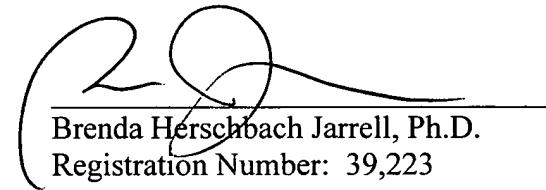
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TABLE 1 (cont)

4	262	1	gccattatgagacattaaaccgtaaaatggaa acagactcctcagagttttagtctggggctccc tgaccatggatggaggcatcgcacaaacaggatg gcctctggaaagcaagtccaggatgtatttc atcttgccctgaagccctcgctggagatgtggcgc tctggcccactgcctgatcaacagagatacaget caggatggccagggttgaggtaaacagaggtttaa ggaagaaggaagccagata (SEQ ID NO. 37)	MENRLLRVFLWVAALTMDGASA KQDGLWESKSSDVSSCPEASL EIVGSLARLPDQDTAQDASVEV NRGFKEEGSPDRSSRSAAAP... (SEQ ID NO. 41)	D78270 Golgj autoantigen golgin, subfamily a3	Yes
5	309	1	cgagctctgacgaatcagatggcctgtcaactt cccaggggattgttggagtttaacacggctgaa cgcagagccccgaaagcagaggatccaggc agcagagaacacctgcagaggtttccaagaa tccctcgcatggcaagaacaaggctgtttcggt cataccaggtaataatcttgcacttgcacatcg cgtcaactctgtttaggatcacagcaagtgcata taagaggggcaatggatgaaggaccctcca cagtgttatctgacttccatgtgaccacaacatcg (SEQ ID NO. 42)	MAROGCFGSYQVISLFTFAIGNV LCLGFTASRIKRAEWDEGPPTVL SDSPWTNTSGSSRSAAAP... (SEQ ID NO. 44)	AF123542 Phosphodiesterase sel/Nucl eotide pyrophosphatase 2	Yes
9	115	1	cagagaatggccctgtacacacaacaacag attcaacaggagggtgttcctttagaaggctgaa attcagttctgtgtttagaatttggatgcaggcatt gttttgtatg (SEQ ID NO. 43)	MKTQHNRFKRGPVPLRKIQS LVFGIWMQSQLFLDGSSRSAAAP... (SEQ ID NO. 45)	NM_001264 Corneodesmosin	No

Please charge any fees that may be required for the processing of this Response, or credit any overpayments, to our Deposit Account No. 03-1721.

Respectfully submitted,



Brenda Herschbach Jarrell, Ph.D.
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Dated: 9/11/2002

I hereby certify that this correspondence is being
deposited with the United States Postal service as first
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Commissioner For Patents, Washington, D.C. 20231
on September 11, 2002